receiving a packet from a first network device to a second network device, wherein the first and second network devices are connected to form a link, the first network device and the second network device each having a version of a dynamic, intradomain, distributed, flat, single path, distance vector routing protocol, the packet identifying the first network device's routing protocol version 110 determining whether the first network device's routing protocol version is the same as the second network device's routing protocol version 120 configuring the link such that the routing protocol versions of the first and second network devices are the same 130 detecting the first network device's routing protocol type, and determining whether the first network device's routing protocol type is the same as the second network device's routing protocol type 140 configuring the link such that the routing protocol types of the first and second network devices are the same

100

FIG. 1

150

